

Application No.: 09/683,298

### Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

Claims 1-4 [Cancelled]

5. [Currently Amended] An apparatus, comprising:

a plurality of deposit elements to deposit biological materials on a depositing surface;

a first mounting assembly operatively coupled to enable movement of the deposit elements, wherein the first mounting assembly comprises a first rotatable element and permits the deposit elements to rotate around a first axis perpendicular to the depositing surface;

a second mounting assembly operatively coupled to enable movement of the deposit elements, wherein the second mounting assembly comprises a second rotatable element and permits the deposit elements to rotate around a second axis parallel to the depositing surface; and

a third mounting assembly operatively coupled to enable movement of the deposit elements, wherein the third mounting assembly comprises a third rotatable element and permits the deposit elements to rotate around a third axis to the depositing surface.

6. [Original] The apparatus of claim 5, wherein:  
the deposit elements include pins, quills, or jetting elements.

7. [Original] The apparatus of claim 5, wherein:  
the second and third axes are perpendicular to each other.

8. [Currently Amended] The apparatus of claim 5, wherein:  
the first mounting assembly is movable rotates independently of one or both of the second and third mounting assemblies such that movement-rotation around the first